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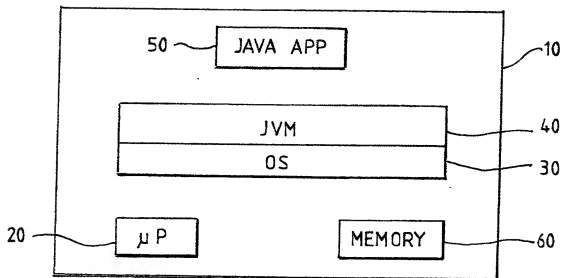


FIG. 1

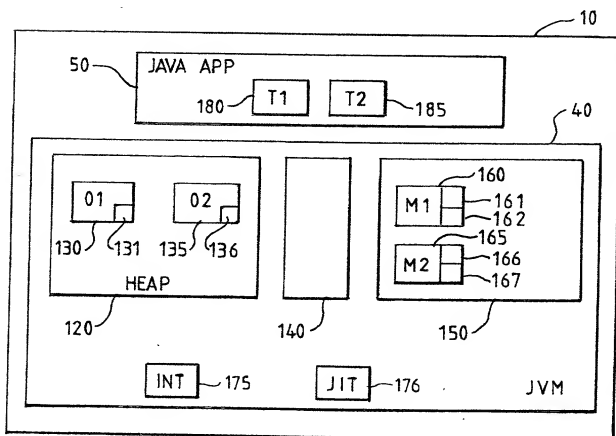
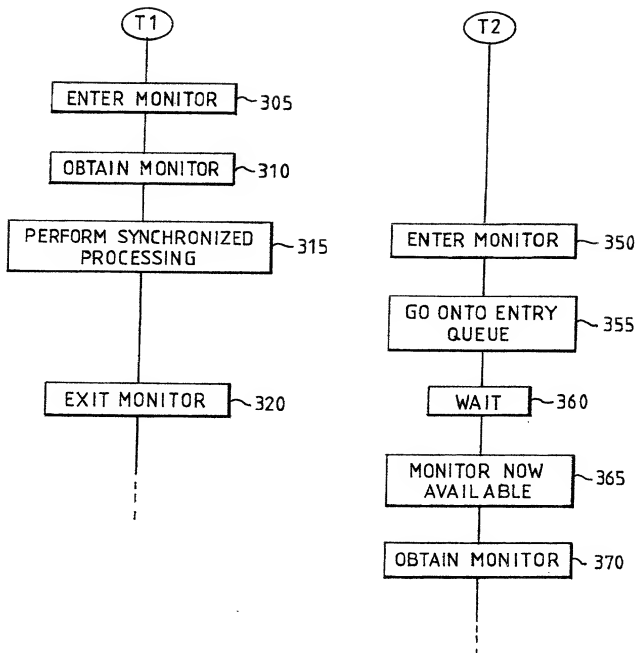
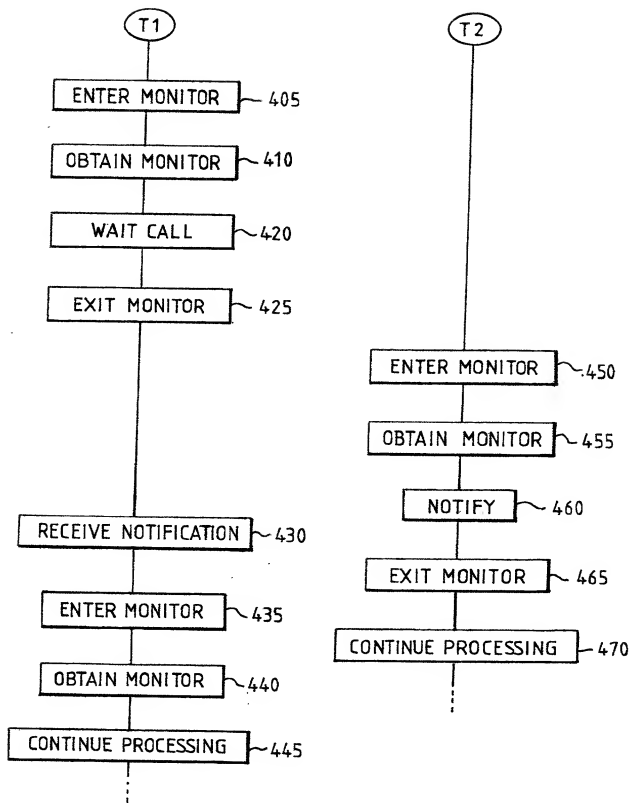


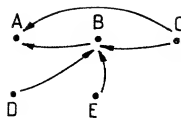
FIG. 2

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FIG. 3

FIG. 4

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FIG. 5A

$$\begin{array}{c}
 \text{TO} \\
 \begin{array}{ccccc}
 & A & B & C & D & E \\
 A & \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \end{pmatrix} \\
 B & \begin{pmatrix} 1 & 0 & 0 & 0 & 0 \end{pmatrix} \\
 C & \begin{pmatrix} 1 & 1 & 0 & 0 & 0 \end{pmatrix} \\
 D & \begin{pmatrix} 0 & 1 & 0 & 0 & 0 \end{pmatrix} \\
 E & \begin{pmatrix} 0 & 1 & 0 & 0 & 0 \end{pmatrix}
 \end{array}
 \end{array} = R$$

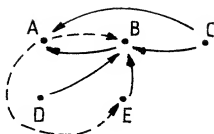
FROM

$$\begin{array}{ccccc}
 & A & B & C & D & E \\
 A & \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \end{pmatrix} \\
 B & \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \end{pmatrix} \\
 C & \begin{pmatrix} 1 & 0 & 0 & 0 & 0 \end{pmatrix} \\
 D & \begin{pmatrix} 1 & 0 & 0 & 0 & 0 \end{pmatrix} \\
 E & \begin{pmatrix} 1 & 0 & 0 & 0 & 0 \end{pmatrix}
 \end{array} = R^2$$

$$\begin{array}{ccccc}
 & A & B & C & D & E \\
 A & \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \end{pmatrix} \\
 B & \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \end{pmatrix} \\
 C & \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \end{pmatrix} \\
 D & \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \end{pmatrix} \\
 E & \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \end{pmatrix}
 \end{array} = R^3$$

FIG 5B

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FIG. 6A

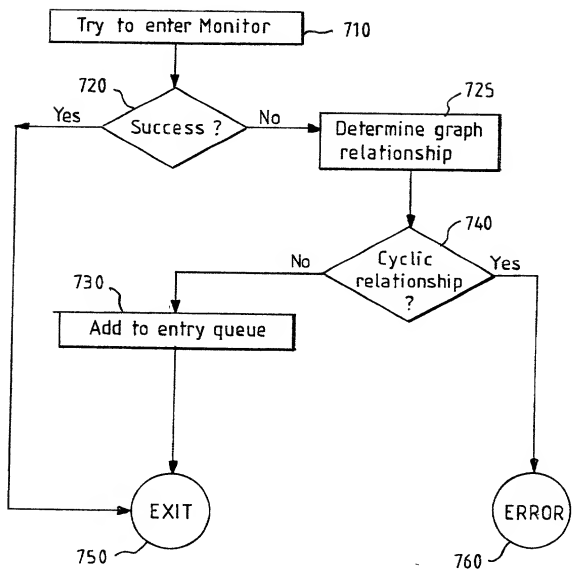
$$\begin{array}{c}
 \text{TO} \\
 \begin{array}{ccccc}
 & A & B & C & D & E \\
 \begin{array}{c} A \\ B \\ C \\ D \\ E \end{array} & \begin{pmatrix} 0 & 1 & 0 & 0 & 1 \\ 1 & 0 & 0 & 0 & 0 \\ 1 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 \end{pmatrix}
 \end{array} = R
 \end{array}$$

$$\begin{array}{c}
 \text{FROM} \\
 \begin{array}{ccccc}
 & A & B & C & D & E \\
 \begin{array}{c} A \\ B \\ C \\ D \\ E \end{array} & \begin{pmatrix} 1 & 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 1 \\ 1 & 1 & 0 & 0 & 1 \\ 1 & 0 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 & 0 \end{pmatrix}
 \end{array} = R^2
 \end{array}$$

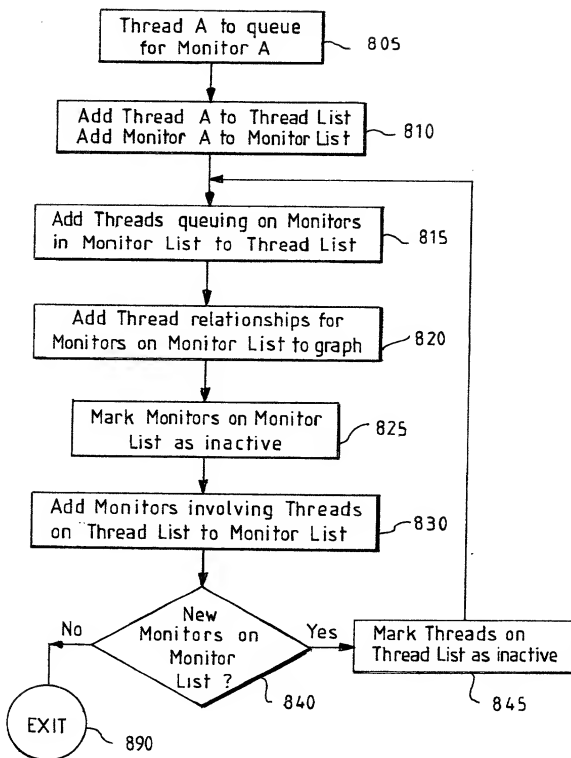
$$\begin{array}{ccccc}
 & A & B & C & D & E \\
 \begin{array}{c} A \\ B \\ C \\ D \\ C \end{array} & \begin{pmatrix} 1 & 1 & 0 & 0 & 1 \\ 1 & 1 & 0 & 0 & 0 \\ 1 & 2 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 \\ 0 & 1 & 0 & 0 & 1 \end{pmatrix}
 \end{array} = R^3$$

FIG. 6B

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FIG. 7

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FIG. 8